

0.19 - 20µm, 300W, Thermopile Power & Energy Detector



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General

UP55N-300F-H12-INT-D0 (US) **Model Number:**

Fan Cooled **Cooling Method:**

Integra (Integrated) **Compatible Meters:**

Physical & Mechanical Properties

89 x 89 x 116 **Dimensions (mm):**

1,410 **Weight (g):**

1.41 **Weight (kg):**

55 **Active Area (mm):**

Optical Properties

190 - 20000 **Wavelength Range (nm):**

0.19 - 20 **Wavelength Range (µm):**

Sensor

Thermopile **Type of Sensor:**

Electrical

300,000 **Maximum Incident Beam Power (mW):**

300 **Maximum Incident Beam Power (W):**

45,000 **Maximum Incident Power Density (W/cm²):**

45 **Maximum Incident Power Density (kW/cm²):**

1 **Maximum Incident Energy Density (J/cm², 10ns Pulses):**

15 mW **Noise Level:**

Regulatory Compliance

[View](#) **Certificate of Conformance:**

Canada **Country of Origin:**

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
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Product Details

- Photodetectors, Thermopiles, and Pyroelectric Detectors Available
- Various Active Area Sizes Across a Wide Range of Sensitivities
- [Meterless](#) and [Wireless](#) Detectors Also Available

Gentec-EO Integra USB Power and Energy Detectors combine a power meter and detector in one convenient package while providing fast response times and accurate measurements for beam analysis. These detectors are designed with a USB connector for easy connection to a PC or other acquisition system and include user-friendly software allowing for control via PC or serial commands. Versatile pyroelectric energy detectors with broadband coatings are optimized for low to high power densities. Gentec-EO Integra USB Power and Energy Detectors can be used with a variety of laser powers ranging from the nanowatts to multi-kilowatts. These detectors are ideal for laser energy measurement, thermal imaging, and remote sensing applications.